



#4

SEQUENCE LISTING

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Paech, Sigrid

<120> Mass Spectrometric Analysis of  
Biopolymers

<130> GC626-2

<140> US 09/932,369

<141> 2001-08-17

<150> US 60/228,198

<151> 2000-08-25

<160> 15

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Ser Ser Leu Glu Asn Thr Thr Thr Lys

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Ala Pro Ala Leu His Ser Gln Gly Tyr Thr Gly Ser Asn Val Lys

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Ala Gln Ser Val Pro Trp Gly Ile Ser Arg  
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Val Gln Ala Pro Ala Ala His Asn Arg  
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<223> tryptic co-digest of 15N-subtilisin DAI and subtilisin

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Val Ala Val Leu Asp Thr Gly Ile Ser Thr His Pro Asp Leu Asn Ile  
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<223> tryptic co-digest of 15N-subtilisin DAI and

subtilisin

<400> 8

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Gly | Ala | Ser | Phe | Val | Pro | Gly | Glu | Pro | Ser | Thr | Gln | Asp | Gly | Asn |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |
| Gly | His | Gly | Thr | His | Val | Ala | Gly | Thr | Ile | Ala | Ala | Leu | Asp | Asn | Ser |
|     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |
| Ile | Gly | Val | Leu | Gly | Val | Ala | Pro | Ser | Ala | Glu | Leu | Tyr | Ala | Val | Lys |
|     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |     |     |     |

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<223> tryptic co-digest of 15N-subtilisin DAI and subtilisin

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Leu | Gly | Ala | Ser | Gly | Ser | Gly | Ala | Ile | Ser | Ser | Ile | Ala | Gln | Gly |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |
| Leu | Glu | Trp | Ala | Gly | Asn | Asn | Gly | Met | His | Val | Ala | Asn | Leu | Ser | Leu |
|     |     |     | 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |
| Gly | Ser | Pro | Ser | Pro | Ser | Ala | Thr | Leu | Glu | Gln | Ala | Val | Asn | Ser | Ala |
|     |     | 35  |     |     |     |     | 40  |     |     |     |     | 45  |     |     |     |
| Thr | Ser | Arg |     |     |     |     |     |     |     |     |     |     |     |     |     |
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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Val | Leu | Val | Val | Ala | Ala | Ser | Gly | Asn | Ser | Gly | Ala | Gly | Ser | Ile |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |
| Ser | Tyr | Pro | Ala | Arg |     |     |     |     |     |     |     |     |     |     |     |
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| Tyr | Ala | Asn | Ala | Met | Ala | Val | Gly | Ala | Thr | Asp | Gln | Asn | Asn | Asn | Arg |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |

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<400> 12

Ala Ser Phe Ser Gln Tyr Gly Ala Gly Leu Asp Ile Val Ala Pro Gly  
1 5 10 15  
Val Asn Val Gln Ser Thr Tyr Pro Gly Ser Thr Tyr Ala Ser Leu Asn  
20 25 30  
Gly Thr Ser Met Ala Thr Pro His Val Ala Gly Ala Ala Leu Val  
35 40 45  
Lys

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<223> tryptic co-digest of 15N-subtilisin DAI and subtilisin

<400> 13

Gln Lys Asn Pro Ser Trp Ser Asn Val Gln Ile Arg  
1 5 10

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<223> tryptic co-digest of 15N-subtilisin DAI and subtilisin

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Asn His Leu Lys  
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<223> tryptic co-digest of 15N-subtilisin DAI and subtilisin

<400> 15

Asn Thr Ala Thr Ser Leu Gly Ser Thr Asn Leu Tyr Gly Ser Gly Leu  
1 5 10 15  
Val Asn Ala Glu Ala Ala Thr Arg  
20

R3  
concluded